Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Jameco Part Number 197966

EXTECH INSTRUMENTS
ISO 9001 CERTIFIED

NEW PRODUCTS

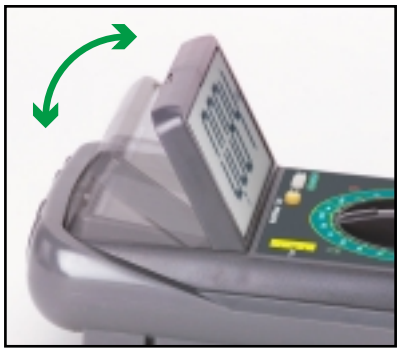
MultiView™ Series Digital MultiMeters

Manual Ranging Digital MultiMeters with Adjustable Viewing Angle Display

Features:

- Large 1" LCD display adjusts for better viewing angle
- Auto power off
- Shock resistant case with protective rubber holster
- Improper test lead position alarm alerts user if position does not match function selected
- Measurement functions include AC/DC Voltage and Current, Resistance, Diode, Continuity and Transistor
- Complete with 9V battery, test leads, protective holster and temperature probe (MV120 only)

CE CAT II-600V



Applications:

- Tilt display adjusts 0° to 80° for best viewing angle
- Industrial electrical installation and troubleshooting
- Electronic testing and repair

Additional Features Model MV110:

- 2000 count (3-1/2 digits)
- Basic DCV accuracy of 0.5%
- Battery check for 9V and 1.5V batteries
- 50Hz square wave output

Additional Features Model MV120:

- 2000 count (3-1/2 digits)
- Basic DCV accuracy of 0.5%
- Capacitance measurements
- Temperature function with switchable °C/°F units

Additional Features Model MV130:

- Highest resolution, 20000 count (4-1/2 digits) display
- Basic DCV accuracy of 0.05%
- Capacitance and Frequency measurements
- Data Hold and overload alarm

Specifications	(Model)	Range	Max. Resolution	Basic Accuracy (%rdg+digits)
AC Voltage:		200mV, 2V, 20V, 200V, 750V	100µV 100µV	±(1.2% + 3d) MV110, MV120 ±(0.8% +10d) MV130
DC Voltage:		200mV, 2V, 20V, 200V, 1000V	100µV 10µV	±(0.5% +1d) MV110, MV120 ±(0.05% + 3d) MV130
AC/DC Current:				
	(MV110)	20µA, 200µA, 2mA, 20mA, 200mA, 2A, 10A	10nA	±(0.8% +1d) DC ±(1.8% + 3d) AC
	(MV120)	20mA, 200mA, 20A	10µA	±(0.8% +1d) DC ±(1.0% + 3d) AC
	(MV130)	2mA, 20mA, 200mA,10A	0.1µA	±(0.8% +10d) DC ±(1.0% +10d) AC
Resistance (Ω):	(MV110, MV120) (MV130)	200, 2k, 20k, 200k, 2M, 20M, 200M 200, 2k, 20k, 200k, 2M, 20M	0.1Ω 0.01Ω	±(0.8% + 3d) ±(0.2% +1d)
Capacitance:	(MV120,MV130)	2nF, 20nF, 200nF, 2µF, 20µF	1pF	±(2.5% +3d)
Frequency:	(MV130)	20kHz	1Hz	±(1.5%+10d)
Temperature:	(MV120)	-40 to 1832°F (-40 to 1000°C)	1°F/°C	±(0.75% +3d)
Dimensions/ Weight:		3.5 x 7.5 x 1.4" (88 x 191 x 36mm) / 11oz (312g)		

Ordering Information:

MV110.....**MultiView™ Digital MultiMeter**
MV120.....**MultiView™ Digital MultiMeter w/ Temperature**
MV130.....**MultiView™ High Resolution Digital MultiMeter**
CA899.....**Vinyl Pouch Carrying Case**
TP870.....**Spare Bead Wire Temperature Probe**
TL805.....**Spare set of CAT. III-1000V Test Leads**
TL807.....**Set of Alligator Clips (2pk) for TL805**

NIST CERTIFICATES AVAILABLE FOR ALL MODELS. ADD "-NIST" TO END OF PART NUMBER

www.extech.com
The Source for *ALL*
Your Measurement Needs!

EXTECH INSTRUMENTS 1 Year Warranty

MultiView™ Series Digital MultiMeters

Manual Ranging MultiMeters with Adjustable Viewing Angle Display

FUNCTION (Model)	RANGE	ACCURACY (% rdg. + digits)	RESOLUTION	INPUT PROTECTION	COMMENTS
DC Voltage: (110, 120)	200mV	±(0.5% + 1d)	100µV	250V rms	Input impedance > 10MΩ
	2, 20, 200V	±(0.5% + 1d)	1, 10, 100mV	1000VDC/750VAC	
	1000V	±(0.8% + 2d)	1V	1000VDC/750VAC	
(130)	200mV	±(0.05% + 3d)	10µV	250V rms	
	2, 20, 200V	±(0.05% + 3d)	0.1, 1, 10mV	1000VDC/750VAC	
	1000V	±(0.1% + 5d)	100mV	1000VDC/750VAC	
AC Voltage: (110, 120)	200mV	±(1.2% + 3d)	100µV	1000VDC/750VAC	Input impedance > 10MΩ
	2, 20, 200V	±(0.8% + 3d)	1, 10, 100mV	1000VDC/750VAC	Frequency range:
	750V	±(1.2% + 3d)	1V	1000VDC/750VAC	<200V: 40 to 400Hz
(130)	2, 20, 200V	±(0.8% + 10d)	0.1, 1, 10mV	1000VDC/750VAC	< 750V: 40 to 200Hz
	750V	±(1.0% + 15d)	100mV	1000VDC/750VAC	
DC Current: (110)	20µA	±(2.0% + 5d)	10nA	2A, 250V fuse	15 sec. max @ 20A
	200µA, 2, 20mA	±(0.8% + 1d)	0.1, 1, 10µA	2A, 250V fuse	
	200mA, 2A	±(1.2% + 1d)	100µA, 1mA	2A, 250V fuse	
	10A	±(2.0% + 5d)	10mA	not fused	
(120)	20, 200mA	±(0.8% + 1d)	0.01, 0.1mA	0.2A, 250V fuse	
	20A	±(2.0% + 5d)	10mA	not fused	
(130)	2, 20, 200mA	±(0.8% + 10d)	0.1, 1, 10µA	0.2A, 250V fuse	
	10A	±(2.0% + 10d)	1mA	not fused	
AC Current: (110)	20µA	±(3.0% + 7d)	10nA	2A, 250V fuse	Frequency: 40 to 400Hz
	200µA	±(1.8% + 3d)	0.1µA	2A, 250V fuse	Maximum input: 10A (110, 130),
	2, 20mA	±(1.0% + 3d)	1, 10µA	2A, 250V fuse	20A (120)
	200mA, 2A	±(1.8% + 3d)	0.1, 1mA	2A, 250V fuse	Average responding
	10A	±(3.0% + 7d)	10mA	not fused	15 sec. max @ 20A
(120)	20, 200mA	±(1.0% + 3d)	0.01, 0.1mA	0.2A, 250V fuse	
	20A	±(3.0% + 7d)	10mA	not fused	
(130)	2, 20 200mA	±(1.0% + 10d)	0.1, 1, 10µA	0.2A, 250V fuse	
	10A	±(2.0% + 10d)	1mA	not fused	
Resistance: (110, 120)	200Ω	±(0.8% + 3d)	0.1Ω	250V DC or ACrms	Open circuit voltage <0.7V
	2, 20, 200kΩ, 2MΩ	±(0.8% + 1d)	1, 10, 100Ω,1kΩ		RH 200MΩ range: <75%
	20MΩ	±(1.0% + 2d)	10kΩ		RH other ranges: <90%
	200MΩ	±(5.0%(rdg-10d)+ 10d)]	100kΩ		On the 200MΩ range a 1.0MΩ
(130)	200Ω	±(0.2% + 5d)	0.01Ω		offset exists. Subtract 1.0MΩ
	2, 20, 200kΩ, 2MΩ	±(0.2% + 1d)	0.1, 1, 10, 100Ω		from all readings.
	20MΩ	±(0.5% + 5d)	1kΩ		
Capacitance: (120)	2, 20, 200nF	±(2.5% + 3d)	1, 10, 100pF		Test Freq: 400Hz
	2, 20µF	±(2.5% + 3d)	1nF, 10nF		Test V: 40mV
(130)	2, 20, 200nF	±(2.5% + 10d)	0.1, 1, 10, 100pF		
	2, 20µF	±(2.5% + 10d)	1nF		
Temperature: (120)	-18 to 400°C	±(0.75% + 4d)	1°C		Type K Thermocouple
	0 to 752°F	±(0.75% + 4d)	1°F		
	-40 to 1000°C	±(1.6% + 15d)	1°C		
	-40 to 1832°F	±(1.6% + 15d)	1°F		
Frequency: (130)	20kHz	±(1.5% + 10d)	1Hz	250VAC/VDC	Sensitivity: 100mV
Diode test:	Forward DC current approx. 1mA, Reverse DC voltage approx. 3V				
Transistor hFE:	0 to 1000	Base current approx. 10µA, Vce approx 2.8V			
Continuity:	Buzzer sounds when R < 30Ω				
Battery check:(110)	1.5V	30Ω Internal resistance			
	9.0V	1.8kΩ Internal resistance			
Square Wave: (110)	Approx. 50Hz, 4 to 6V				
Display:	1999 count 3 1/2 digit, adjustable angle (110, 120)				
	19999 count 4 1/2 digit, adjustable display (130)				
Sample Rate:	Approximately 2 to 3 per second				
Input warning:	Alarm sounds with test leads in the A or 10A socket with wrong function selected				
Fuse Protection:	2A (A socket), 0.2A (mA socket), 10A or 20A range not fused				
Power Supply:	9V battery				
Range selection:	Manual				
Over-range Indication:	"1"				
Auto Off:	Unit switches off after 15 minutes of inactivity				
Low Battery Indication:	Battery symbol				
Operating Temp/ Humidity:	32°F to 104°F (0°C to 40°C) / < 75% RH				
Storage Temperature:	14°F to 122°F (-10°C to 50°C)				
Dimension:	7.3 x 3.5 x 1.3" (185 x 89 x 32mm)				
Weight:	Approx. 9.7oz (300g)				